Highgate Primary
Year 6 Maths Curriculum

WALT: We Are Learning To
WAP: We Are Practising

Number
Measurement
Geometry
Statistics
Algebra
Ratio and Proportion

Summer 1: The First Emperor of China

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
1	**Geometry Properties of shape (2)**					
		• find unknown angles in any triangles, quadrilaterals and regular polygons • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles • find unknown angles in any triangles, quadrilaterals and regular polygons • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles	• Angles in a triangle – special cases • Angles in a triangle – missing angles • Angles in a special quadrilaterals • Angles in a regular polygons	Part-whole model, bar model	**Other possibilities** If one angle of an isosceles triangle is 36 degrees, what could the triangle look like? Draw it. Are there other possibilities? **Prove it** How many angles do you need to know to work out the missing ones in: A square? A parallelogram? A trapezium? An equilateral triangle? An isosceles triangle? A scalene triangle? Any regular polygon? Any irregular polygon? **NRICH Round a Hexagon**	MyMiniMaths
2		• recognise, describe and build simple 3D shapes, including making nets	• Draw shapes accurately • Draw nets of 3-D shapes	-	**What's the same, what's different?** The nets of a triangular prism and a square based pyramid. **Visualising** Jess has 24 cubes which she builds to make a cuboid. Write the dimensions of cuboids that she could make. List all the possibilities. **Always, sometimes, never** Is it always, sometimes or never true that, in a polyhedron, the number of	MyMiniMaths

				vertices plus the number of faces equals the number of edges? **NRICH Making Cuboids** **NRICH Cut Nets** **NRICH Shape Draw** **NRICH Quadrilaterals** **NRICH Where Are They?** **NRICH Always, Sometimes or Never? Shape**	
3	**Consolidation** **Revising identified areas of need**				MyMiniMaths
4	**SATs Week** **Assessments**				MyMiniMaths
5	**Investigating…** **Pentominoes**			**NRICH World of Tan 25 – Pentominoes** **NRICH Penta Play** **NRICH Penta Place**	MyMiniMaths
6	**Investigating…** **Tessellations**			**NRICH Tessellating Transformations** **NRICH Semi-regular Tessellations**	MyMiniMaths